

Attorney Docket No. P06553-US2

REMARKS/ARGUMENTS**1.) Claim Amendments**

Claim 5 is pending in the application. Favorable reconsideration of the application is respectfully requested in view of the foregoing amendments and the following remarks.

2.) Examiner Objections

The Examiner objected to the title for not being descriptive. The Applicant has amended the title to be clearly indicative of the subject matter of the claimed invention. Approval of the amended title is respectfully requested.

The Examiner objected to the disclosure for making reference on page 3 to canceled claims. The paragraph on page 3, lines 8-13, which made reference to particular claims, has been deleted. Therefore, withdrawal of the objection is respectfully requested.

3.) Claim Rejections – 35 U.S.C. § 103(a)

The Examiner rejected claim 5 under 35 U.S.C. § 103(a) as being unpatentable over Tan (US 4,502,137) and further in view of Kage (US 4,791,669). The Examiner stated that Tan shows the claimed invention except that Tan is silent on applying his multipoint communication system to wireless phones, and on the use of encryption on individual blocks. The Examiner further contends that Kage shows encryption using pseudorandom numbers from an encryption key and a frame number, and forming a modified pseudorandom sequence Y from these inputs. The Examiner then concludes that it would be obvious to one of ordinary skill in the art to combine Tan and Kage to achieve the claimed invention. The Applicant respectfully disagrees.

First, Tan discloses a multipoint communication system, but discusses only issues relating to frame and block synchronization, and achieving proper block timing to avoid packet collisions. Tan does not even mention encryption, and thus there is no suggestion in Tan that the communication system could be combined with an encryption

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methodology. Thus, the combination of these references is improper for a rejection under 35 U.S.C. § 103.

Second, Kage does not disclose (1) forming a pseudo-random sequence from an encryption key and an ordinal number of the frame, (2) forming a modified pseudo-random sequence from the pseudo-random sequence, or (3) performing a logic operation between the modified pseudo-random sequence and each block of non-encrypted information. Kage states that the encoder counter 15 and the encoder memory 14 together form a random number generator. (Col. 4, lines 36-37). In addition, random selection circuit 13 selects from among the n bit random number data x_1, x_2, \dots, x_n output by memory unit 22 to form each frame of bits of the coding signal Y. Signal Y is then combined with input signal S by XOR gate 10 to produce the encrypted digital signal Z. (Col. 4, lines 45-50). There is no disclosure of forming a pseudo-random sequence from an encryption key and an ordinal number of the frame, and then further modifying the pseudo-random sequence in dependence on the ordinal number of the time slot within which the information block that is encrypted with the modified pseudo-random sequence shall be transmitted. Thus, every element of claim 5 is not disclosed or suggested by Kage.

The Applicant therefore contends that because Kage does not disclose every element of claim 5, and the combination with Tan is improper, a prima facie case of obviousness has not been established, and the rejection under 35 U.S.C. § 103 should be withdrawn. Therefore, the allowance of claim 5 is respectfully requested.

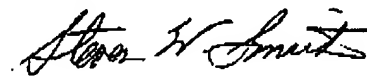
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CONCLUSION

In view of the foregoing remarks, the Applicant believes all of the claims currently pending in the Application to be in a condition for allowance. The Applicant, therefore, respectfully requests that the Examiner withdraw all rejections and issue a Notice of Allowance for claim 5.

The Applicant requests a telephonic interview if the Examiner has any questions or requires any additional information that would further or expedite the prosecution of the Application.

Respectfully submitted,



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